Contents Vol. 37

Vol. 37, No. 1

Reactivity of Argonne coals in the presence of cyclic olefins and other donors
M.W. Bedell (Baton Rouge, LA, USA), C.W. Curtis and J.L. Hool (Auburn, AL, USA) 1

Improved caustic coal desulfurization by a float–sink/leaching process employing 50% aqueous NaOH solutions
C.D. Chriswell, R. Markuszewski and D.V. Jewell (Ames, IA, USA) 19

The effect of the mobile component on the liquefaction characteristics of western Kentucky coals
R.A. Keogh, R.H. Hardy, K. Taghizadeh, H.L.C. Meuzelaar and B.H. Davis (Lexington, KY, USA) 33

Desulfurization of hot coal gas in fluidized bed with regenerable zinc titanate sorbents
W. Mojtahedi, K. Salo (Espoo, Finland) and J. Abbasian (Chicago, IL, USA) 53

The effect of aging on the viscosity of bitumens produced from shale oil
G.D. Sergeant, R. Leung and D. Barrett (Kensington, NSW, Australia) 67

Effect of heating rate and temperature on pyrolysis desulfurization of a bituminous coal
K. Sugawara, Y. Tozuka, T. Sugawara (Akita, Japan) and Y. Nishiyama (Sendai, Japan) ... 73

Char formation and release of liquids in catalysed hydropyrolysis
A.M. Mastral, M.T. Izquierdo, C. Mayoral and C. Pardos (Zaragoza, Spain) 87

Erratum 99

Vol. 37, No. 2

Characterization of shale oils. 1. Analysis of Fischer assay oils and their aromatic fractions using advanced analytical techniques
L.J. Shadle, K.S. Seshadri (Morgantown, WV, USA) and D.L. Webb (Winston-Salem, NC, USA) 101

Characterization of shale oils. 2. Analysis of the flash pyrolysis products of oil shale in the Green River Formation
L.J. Shadle, K.S. Seshadri and Y.-H.C. Wang (Morgantown, WV, USA) 121

Influence of coal rank and pretreatment on residual ash particle size
J.C. Kramlich (Seattle, WA, USA) and G.H. Newton (Irvine, CA, USA) 143

Influence of Fe and FeMo high loading supported catalysts on the coprocessing of two Spanish lignites with a vacuum residue
J. Font, A. Moros, A. Fabregat, J. Salvadó and F. Giralt (Tarragona, Spain) 163

Nitrogen compounds in pyrolysis produced liquids from two Turkish oil shales
E. Ekinci, S. Türkay, M. Çitiroğlu and A. Akar (Istanbul, Turkey) 175

Hydrocracking vacuum resid with Ni–W bifunctional slurry catalysts
L.A. Rankel (Princeton, NJ, USA) 185

Vol. 37, No. 3

Coliquefaction of coal and newsprint-derived lignin
B.A. Akash, C.B. Muchmore and S.B. Lalvani (Carbondale, IL, USA)..... 203

Temperature-staged liquefaction of selected Turkish coals
L. Artok, H.H. Schobert (University Park, PA, USA) and O. Erbatur (Adana, Turkey) 211

Compaction of binderless coal for coal log pipelines
B. Gunnink and Z. Liang (Columbia, MO, USA) 237

The prediction of the fusibility of coal blends
R. Sakurovs, L.J. Lynch and T.P. Maher (North Ryde, NSW, Australia) 255

The influence of oxygenated feedstock components on the catalytic cracking of tetralin on HY zeolite
A.T. Townsend and J. Abbot (Hobart, Tasmania, Australia)..... 271

Reactivity of caustic treated oil sand coke residues
M.T. Ityokumbul (University Park, PA, USA) and K.L. Kasperski (Devon, Alta, Canada) ... 281

Processing of shale oil for potential lubricating oil base stocks
J.F. Stubington, G.D. Sergeant, D. Barrett, P.T.D.H. Do and K.A. Raval (Kensington, NSW, Australia) 295

Newsnotes..... 307
Author Index Vol. 37..... 315
Contents Vol. 37..... 317